



U.S. Environmental Protection Agency
Pacific Southwest / Region 9



Serving Arizona, California, Hawaii, Nevada, the Pacific Islands and 147 Tribes

Enforcement Division
Air & Toxics Release Inventory (TRI) Section

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Toxics Release Inventory 2012 California Refineries Report

Refinery Releases in California

Twenty-one refineries in California reported a total of 5,937,697 pounds (lbs) of toxic chemical releases during 2012. Total on-site and off-site releases reported by these refineries increased 10% (393,990 lbs), when compared to 2011 data. Refineries make up 19% of the State's total reported releases and 3 million lbs (42%) of its releases to the air.

What is a Release?

A TRI "release" is defined by Federal reporting laws as the amount of a toxic chemical released on-site (to air, water, underground injection, landfills, and other land disposal), and the amount transferred off-site for disposal; it is measured in lbs, unless stated otherwise.

Each year, facilities are required to report on July 1 their releases for the previous calendar year to the United States Environmental Protec-

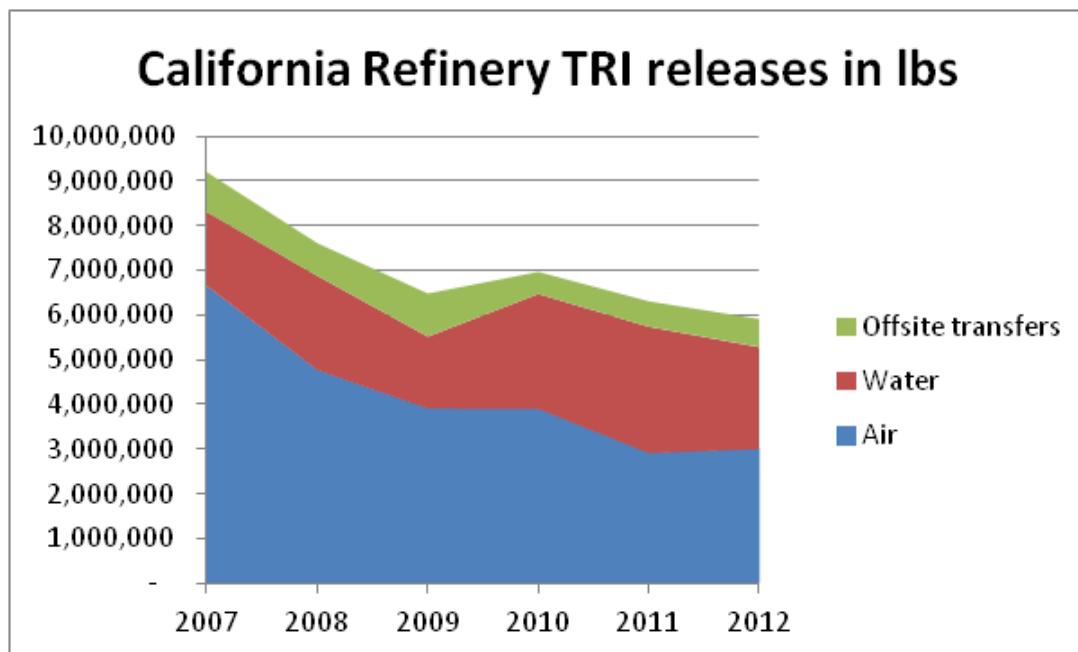
tion Agency (EPA). For example, on July 1, 2014, facilities will be required to report releases that occurred during calendar year 2013. EPA posts the raw data in the summer. Subsequently EPA reviews the data quality of these submissions. In winter, EPA publishes analysis of the most recent available data.

Refineries with Largest Chemical Releases

The top facilities located in each of the major geographic areas in California are as follows:

San Francisco Bay Area

	Facility Name	City	County	Total Releases (in lbs)
1	PHILLIPS 66 SAN FRANCISCO REFINERY	Rodeo	Contra Costa	1,097,117
2	VALERO REFINING CO. CALIFORNIA BENICIA REFINERY	Benecia	Solano	655,285
3	CHEVRON PRODUCTS CO. RICHMOND REFINERY	Richmond	Contra Costa	611,255
4	SHELL OIL PRODUCTS US MARTINEZ REFINERY	Martinez	Contra Costa	529,045
5	TESORO REFINING & MARKETING CO. LLC.	Martinez	Contra Costa	507,714
TOTAL:				3,400,416



Southern California

	Facility Name	City	County	Total Releases (in lbs)
1	CHEVRON PRODUCTS CO. DIV. OF CHEVRON USA INC.	El Segundo	Los Angeles	901,930
2	BP WEST COAST PRODUCTS LLC. CARSON REFINERY	Carson	Los Angeles	671,163
3	EXXON MOBIL OIL CORP. TORRANCE REFINERY	Torrance	Los Angeles	363,278
4	TESORO LOS ANGELES REFINERY	Wilmington	Los Angeles	242,676
5	PHILLIPS 66 LOS ANGELES REFINERY - WILMINGTON PLANT	Wilmington	Los Angeles	134,564
6	ULTRAMAR INC. WILMINGTON REFINERY	Wilmington	Los Angeles	110,020
7	PHILLIPS 66 LOS ANGELES REFINERY	Carson	Los Angeles	39,224
8	PARAMOUNT PETROLEUM CORP.	Paramount	Los Angeles	8,653
9	LUNDAY-THAGARD CO.	South Gate	Los Angeles	2,195
10	EDGINGTON OIL CO.	Long Beach	Los Angeles	616
TOTAL:				2,474,319

San Joaquin Valley

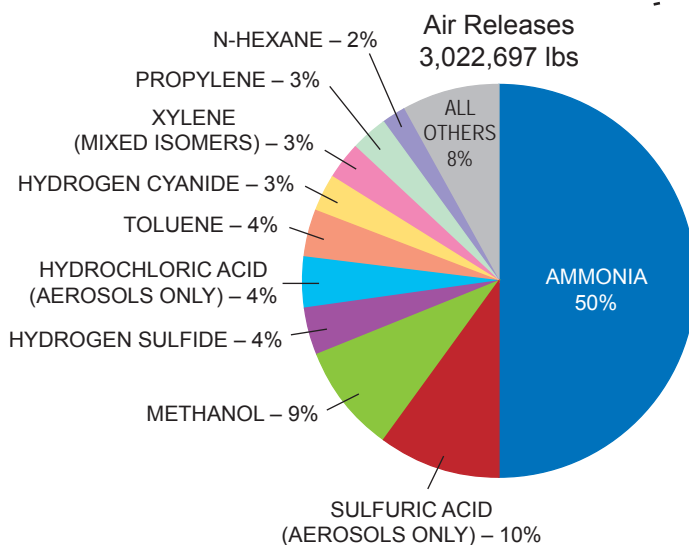
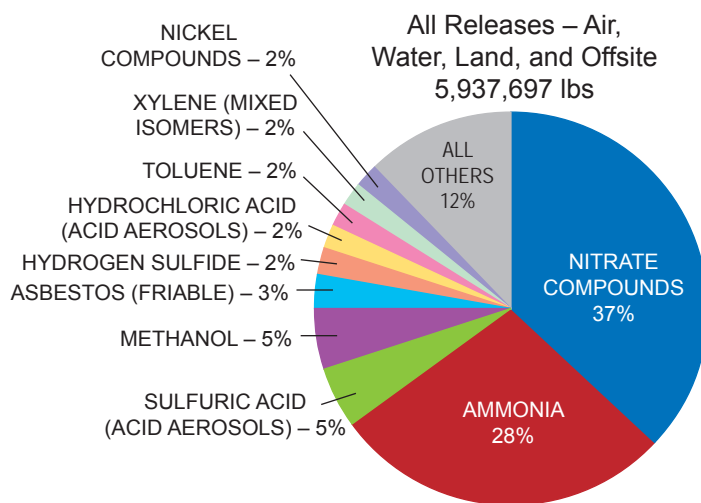
	Facility Name	City	County	Total Releases (in lbs)
1	PARAMOUNT PETROLEUM BAKERSFIELD REFINERY AREAS 1 & 2	Bakersfield	Kern	9,656
2	SAN JOAQUIN REFINING CO. INC.	Bakersfield	Kern	7,252
3	KERN OIL & REFINING CO.	Bakersfield	Kern	6,364
4	PARAMOUNT PETROLEUM BAKERSFIELD REFINERY AREA 3	Bakersfield	Kern	2,009
5	TRICOR REFINING LLC.	Bakersfield	Kern	54
TOTAL:				25,335

Central California

	Facility Name	City	County	Total Releases (in lbs)
1	PHILLIPS 66 CO. SANTA MARIA REFINERY	Arroyo Grande	San Luis Obispo	38,297

Top 10 Released Chemicals

Here are the top 10 chemicals released by refineries in California (based on releases to all media):



For More Information

For more information, see www.epa.gov/tri for national TRI information;

or www.epa.gov/region09/tri for Regional TRI information;

Please direct questions to Lily Lee, U.S. EPA Region 9, at lee.lily@epa.gov or 415-947-4187.

Note: Release data alone are not sufficient to determine exposure or to calculate potential risks to human health and the environment. TRI data, in conjunction with other information, such as the toxicity of the chemical, the release medium (e.g., air), and site-specific conditions, can be used as a starting point in evaluating exposures that may result from releases of toxic chemicals.